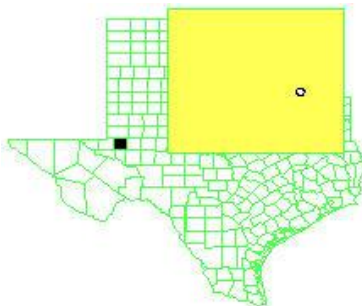


# **EAST 67<sup>th</sup> STREET (ECTOR COUNTY) ODESSA, TEXAS**

**EPA ID# TXN000606614  
Site ID: 0606614**



**EPA REGION 6  
CONGRESSIONAL  
DISTRICT 11**

**Contact: Vincent Malott  
214-665-8313**

**Last Updated: April 2013**

## **Background**

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The Site is located in Ector County, Texas, immediately north of the Odessa City limits. The Site consists of a contaminated ground water plume originating from an intentional release of over 15,000 gallons of alcohol and naptha based solvents along with 635 gallons of PCE from the former Delta Chemical facility (now Brenntag) located on East 67<sup>th</sup> Street. The contaminant plume is located along 67<sup>th</sup> Street between Yukon Road to the north and VFW Lane to the south, and Andrews Highway to the west and Alderfer Avenue to the east. The Trinity aquifer is the only ground water source for drinking water in the site area. The Triassic red beds form the base of the aquifer. Ground water flow in the aquifer is generally to the east-northeast.

The TCEQ has installed filtration systems on 13 private wells with contamination exceeding the drinking water limits established under the Safe Drinking Water Act.

## **Current Status**

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The EPA is currently performing the Remedial Design for the implementation of the site-wide cleanup plan. A site-wide ground water sampling event was completed the week of January 21, 2013, followed by installation of additional ground water monitoring wells from March 18 – 28, 2013. Sampling of the new monitoring wells will be completed the week of April 1, 2013. The attached site maps illustrate the extent of the tetrachloroethene plume from the January 2013 sampling event and the locations of the additional ground water monitoring wells.

The Record of Decision was signed in September 2011 after a public comment period for the proposed remedy was closed in September 2010. The selected remedy includes a Installation of a water supply line from the City of Odessa to a planned service area along a section of East 67<sup>th</sup> Street between Andrews Highway and Alderfer Avenue, a section of Stevenson Avenue between East 68<sup>th</sup> Street and VFW Lane, and a section of Alderfer Avenue between East 68<sup>th</sup> Street and East 67<sup>th</sup> Street. This remedy component includes installation of individual connections to homes and businesses with private water supply wells currently or potentially impacted by the ground water contamination. The monthly costs for water usage will be the responsibility of the resident or business at a rate set by the City of Odessa.

The second remedy component includes injection of amendments to enhance natural degradation of tetrachloroethene and other contaminants by installing injection wells in the plume interior to target higher concentration areas, and installation of a ground water extraction and treatment system for hydraulic containment of the plume front.

The third remedy component includes installation of a soil vapor extraction system to remove the residual contamination beneath the former Delta Solvents facility and surrounding property, injection of

amendments to enhance natural degradation of tetrachloroethene and other contaminants in the ground water present above the Trinity aquifer, and abandonment and replacement of selected private supply wells that act as a conduit for vertical migration between the upper zone and the Trinity aquifer.

## Benefits

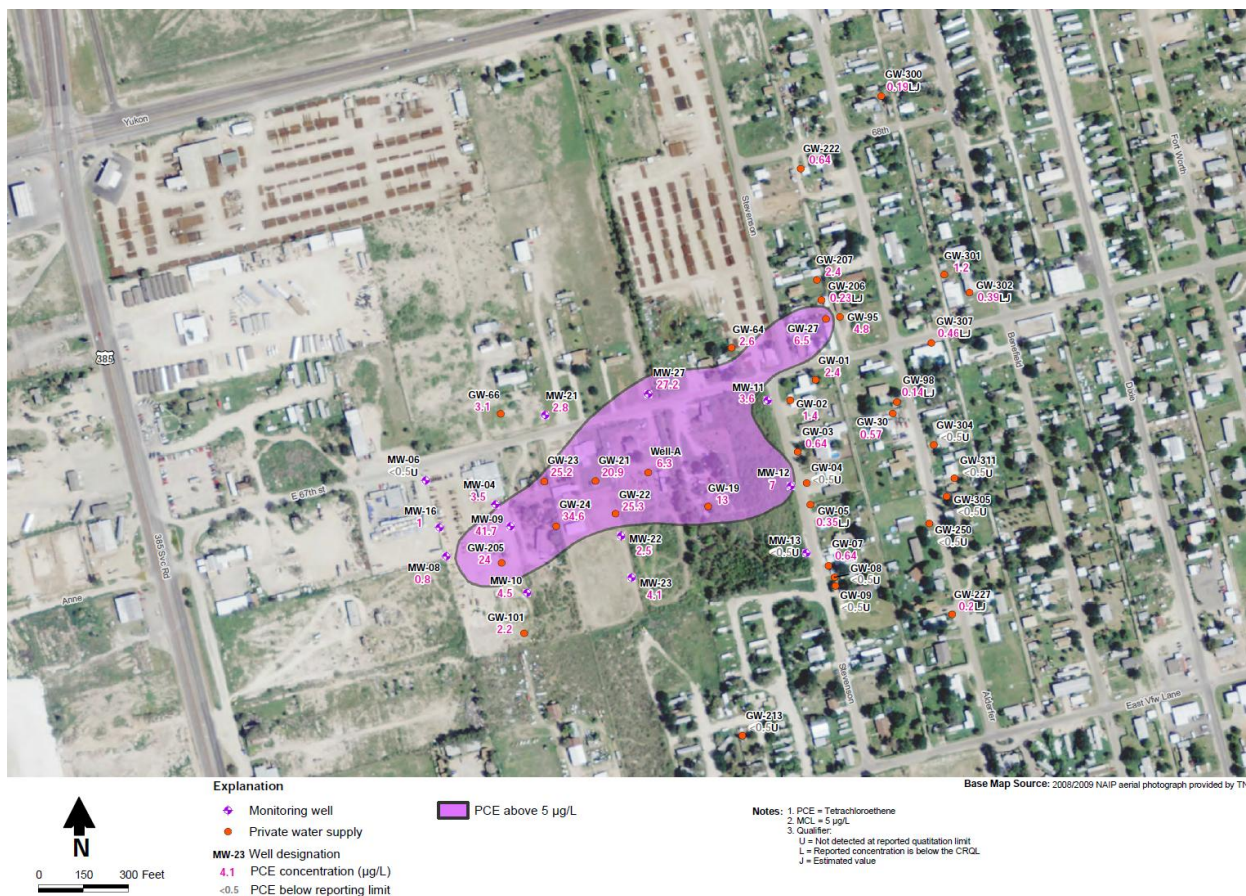
The selected remedy will address the current and future human exposure to the ground water contamination and the restoration of the aquifer to its beneficial uses.

## National Priorities Listing (NPL) History

NPL Inclusion Proposal Date: September 27, 2006  
NPL Inclusion Final Date: March 7, 2007

## Site Map

The site maps illustrates the tetrachloroethene plume as defined by the 5 µg/L drinking water limit. The PCE concentrations greater than the laboratory detection limit are marked in red numbers.

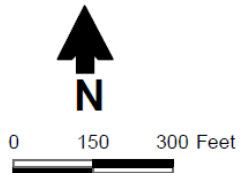


The site map illustrates the location of the new monitoring wells (marked by the black/white round symbols) completed in March 2013.





### Explanation



- |                        |                            |                        |
|------------------------|----------------------------|------------------------|
| ◆ Monitoring well      | ✗ Well to be abandoned     | MW-26 Well designation |
| ⊞ Deep monitoring well | ● Proposed well            |                        |
| ▲ Vapor profile well   | ⊞ Proposed dual completion |                        |

The following site map illustrates the water line layout to replace the existing filtration systems installed by the TCEQ. The water line extension is marked in "blue" and will provide service to affected residents along a portion of East 67th Street, Stevenson Avenue between East 68th Street and VFW Lane, and along Alderfer Avenue between East 68th Street and East 67th Street.





## **Wastes and Volumes**

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The ground water plume contains tetrachloroethene (PCE), trichloroethene (TCE), and cis 1,2-dichloroethene (cis 1,2-DCE). The site is being evaluated as a ground water plume of PCE and TCE with no identified source. The maximum observed concentration of PCE is 100 micrograms per liter [ $\mu\text{g/L}$  or per billion (ppb)]. The outer boundary of the plume has not yet been defined but the existing sample data obtained from the private water wells has indicated a plume of at least 0.3 by 0.3 mile in size.

## **Health Considerations**

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There is no other potable water supply for the residents. Human exposure is currently prevented through ground water sampling and the use of filtration systems on individual private wells.

## **Record of Decision (ROD)**

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A Record of Decision was signed in September 2011.

## **Community Involvement**

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The EPA held a public meeting for the proposed plan on September 2, 2010.

## **Site Contacts**

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EPA Remedial Project Manager: Vincent Malott 214-665-8313  
EPA Site Attorney: Marvin Benton 214-665-3190  
EPA Community Involvement Coordinator June Hoey 214-665-8522  
EPA Public Liaison Donn R. Walters 214-665-6483  
TCEQ Project Manager Alan (Buddy) Henderson 512-239-1520  
EPA Superfund Region 6 Toll Free Number: 1-800-533-3508

**Information Repository:** Ector County Public Library in Odessa, Texas